

# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 183591**

**TO: David Naff**  
**Location: 3e75 / 3e71**  
**Thursday, April 13, 2006**  
**Art Unit: 1651**  
**Phone: 571-272-0920**  
**Serial Number: 10 / 684946**

**From: Jan Delaval**  
**Location: Biotech-Chem Library**  
**Remsen 1a51**  
**Phone: 571-272-2504**  
  
**jan.delaval@uspto.gov**

### **Search Notes**

=> fil reg

FILE 'REGISTRY' ENTERED AT 09:47:13 ON 13 APR 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 APR 2006 HIGHEST RN 880129-32-8

DICTIONARY FILE UPDATES: 11 APR 2006 HIGHEST RN 880129-32-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

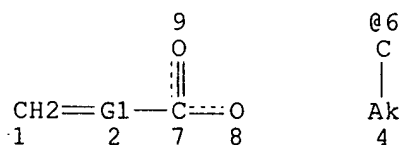
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d sta que 124

L12 STR



VAR G1=CH/6

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 8

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

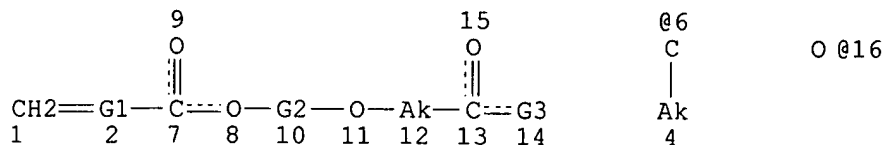
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L13 SCR 2043

L15 295253 SEA FILE=REGISTRY CSS FUL L12 AND L13

L16 43476 SEA FILE=REGISTRY ABB=ON PLU=ON L15 AND (C2H4O OR C3H6O OR  
C4H8O OR C5H10O)  
L22 STR



VAR G1=CH/6  
VAR G2=AK/ID  
VAR G3=X/16  
NODE ATTRIBUTES:  
CONNECT IS M1 RC AT 8  
CONNECT IS M1 RC AT 16  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

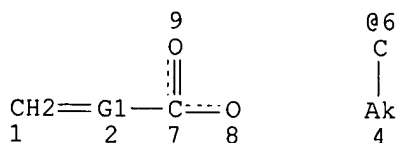
GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE  
L24 65 SEA FILE=REGISTRY SUB=L16 CSS FUL L22

100.0% PROCESSED 15522 ITERATIONS  
SEARCH TIME: 00.00.01

65 ANSWERS

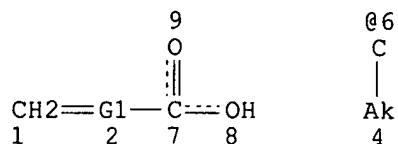
=> d sta que 144  
L12 STR



VAR G1=CH/6  
NODE ATTRIBUTES:  
CONNECT IS M1 RC AT 8  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE  
L13 SCR 2043  
L15 295253 SEA FILE=REGISTRY CSS FUL L12 AND L13  
L16 43476 SEA FILE=REGISTRY ABB=ON PLU=ON L15 AND (C2H4O OR C3H6O OR  
C4H8O OR C5H10O)  
L37 11329 SEA FILE=REGISTRY ABB=ON PLU=ON L16 AND OC2/ES  
L38 6943 SEA FILE=REGISTRY ABB=ON PLU=ON 75-21-8/CRN AND L37  
L39 1816 SEA FILE=REGISTRY ABB=ON PLU=ON L16 AND 25322-68-3/CRN  
L40 8732 SEA FILE=REGISTRY ABB=ON PLU=ON (L38 OR L39)  
L42 STR



VAR G1=CH/6

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L44 4489 SEA FILE=REGISTRY SUB=L40 CSS FUL L42

100.0% PROCESSED 8732 ITERATIONS

SEARCH TIME: 00.00.01

4489 ANSWERS

=> d his

(FILE 'HOME' ENTERED AT 07:28:05 ON 13 APR 2006)

SET COST OFF

FILE 'HCAPLUS' ENTERED AT 07:28:32 ON 13 APR 2006

L1 1 S US20040086992/PN OR US2003-684946#/AP, PRN  
 E HARRIS J/AU  
 L2 296 S E3  
 L3 431 S E35, E37, E41  
 L4 8 S E269, E271, E273  
 L5 223 S E285, E332, E336  
 E ZHAO X/AU  
 L6 1388 S E3-E26  
 E ZHAO XU/AU  
 L7 99 S E3  
 L8 98 S E20-E26  
 E SHEARWATER/PA, CS  
 L9 47 S E3-E22  
 E NEKTAR/PA, CS  
 L10 73 S E3-E34  
 SEL RN L1

FILE 'REGISTRY' ENTERED AT 07:32:41 ON 13 APR 2006

L11 13 S E1-E13  
 L12 STR  
 L13 SCR 2043  
 L14 50 S L12 AND L13 CSS SAM  
 L15 295253 S L12 AND L13 CSS FUL  
 L16 43476 S L15 AND (C2H4O OR C3H6O OR C4H8O OR C5H10O)  
 SAV TEMP L16 NAFF684/A  
 L17 4 S L11 AND L16  
 L18 STR L12  
 L19 50 S L18 SAM SUB=L16  
 L20 STR L18  
 L21 23 S L20 SAM SUB=L16

L22 STR L20  
 L23 1 S L22 CSS SAM SUB=L16  
 L24 65 S L22 CSS FUL SUB=L16  
 SAV TEMP L24 NAFF684A/A  
 L25 61 S L24 NOT L17  
 L26 42 S L25 NOT (118738-46-8 OR 118738-46-8/CRN)  
 L27 22 S L26 NOT (118738-47-9 OR 118738-47-9/CRN)  
 L28 18 S L27 NOT (785741-28-8 OR 785741-28-8/CRN)  
 L29 4 S L28 AND NC>=2  
 L30 14 S L28 NOT L29  
 L31 3 S L30 AND NC4/ES  
 L32 11 S L30 NOT L31  
 L33 2 S L32 AND CL/ELS  
 L34 9 S L32 NOT L33  
 SEL RN 1-6  
 L35 3 S L34 NOT E14-E19  
 L36 7 S L17,L35  
 SAV TEMP L36 NAFF684B/A  
 L37 11329 S L16 AND OC2/ES  
 L38 6943 S 75-21-8/CRN AND L37  
 L39 1816 S L16 AND 25322-68-3/CRN  
 L40 8732 S L38,L39  
 L41 5629 S L40 NOT C3H6O  
 L42 STR L12  
 L43 50 S L42 CSS SAM SUB=L40  
 L44 4489 S L42 CSS FUL SUB=L40  
 SAV TEMP L44 NAFF684C/A  
 L45 2599 S L44 AND L41  
  
 FILE 'HCAPLUS' ENTERED AT 08:32:23 ON 13 APR 2006  
 L46 8 S L36  
 L47 4 S L46 AND L1-L10  
 L48 4 S L46 NOT L47  
 L49 7 S L46 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L50 8 S L47,L49  
 L51 2044 S L45  
 L52 860 S L51 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L53 745 S L51 AND (PY<=1997 OR PRY<=1997 OR AY<=1997)  
 L54 769 S L52 AND (PD<=19980107 OR PRD<=19980107 OR AD<=19980107)  
 L55 769 S L53,L54  
 L56 0 S L1-L10 AND L55  
 L57 1 S L1-L10 AND L51  
 L58 8 S A61K047-48/IPC,IC,ICM,ICS AND L55  
 SEL HIT RN  
  
 FILE 'REGISTRY' ENTERED AT 09:22:46 ON 13 APR 2006  
 L59 14 S E20-E33  
 L60 9 S L59 AND NC>=3  
 L61 8 S L60 NOT NA  
  
 FILE 'HCAPLUS' ENTERED AT 09:25:40 ON 13 APR 2006  
 L62 20 S L61  
 L63 5 S L62 AND (PD<=19980107 OR PRD<=19980107 OR AD<=19980107)  
 L64 10 S L55 AND A61K047/IPC,IC,ICM,ICS NOT L58  
 L65 25 S L55 AND C08G065/IPC,IC,ICM,ICS NOT L58,L63,L64  
 L66 35 S L64,L65  
 SEL HIT RN  
  
 FILE 'REGISTRY' ENTERED AT 09:31:18 ON 13 APR 2006  
 L67 76 S E34-E109

L68 65 S L67 NOT 56-81-5/CRN  
L69 18 S L68 AND (N OR S OR SI OR CL OR F)/ELS  
L70 47 S L68 NOT L69  
L71 45 S L70 NOT C12H24O  
L72 34 S L71 NOT C4H8O  
L73 31 S L72 NOT C8H8  
L74 3 S L73 AND C6/ES  
L75 28 S L73 NOT L74  
SEL RN 3-7 15-28  
L76 9 S L75 NOT E110-E128  
SEL RN 2 6 7  
L77 6 S L76 NOT E129-E131

FILE 'HCAPLUS' ENTERED AT 09:45:44 ON 13 APR 2006

L78 8 S L77  
L79 5 S L78 AND (PD<=19980107 OR PRD<=19980107 OR AD<=19980107)  
L80 18 S L50,L63,L79  
L81 4 S L80 AND L1-L10  
L82 18 S L80,L81

FILE 'REGISTRY' ENTERED AT 09:47:13 ON 13 APR 2006

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 09:47:44 ON 13 APR 2006

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FILE COVERS 1907 - 13 Apr 2006 VOL 144 ISS 16

FILE LAST UPDATED: 12 Apr 2006 (20060412/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d l82 all hitstr tot

L82 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:735366 HCAPLUS  
DN 143:194453  
ED Entered STN: 12 Aug 2005  
TI Heterobifunctional poly(ethylene glycol) derivatives and their preparation  
IN Bentley, Michael D.; Harris, J. Milton; Kozlowski, Antoni  
PA USA  
SO U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S. Ser. No. 71,469.  
CODEN: USXXCO  
DT Patent  
LA English